



Figure 1

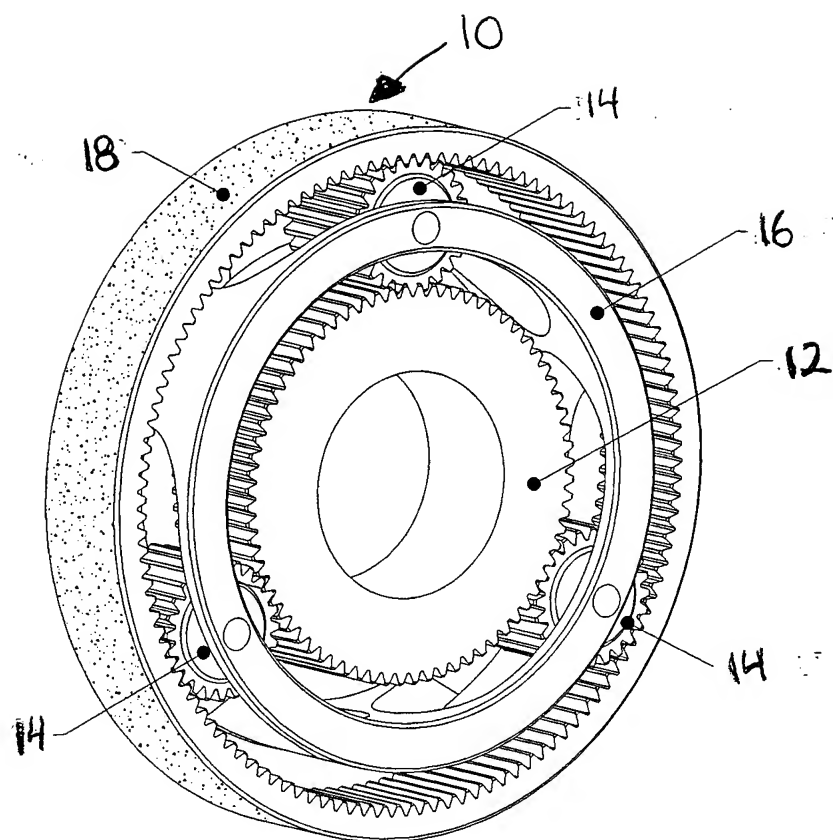


Figure 2

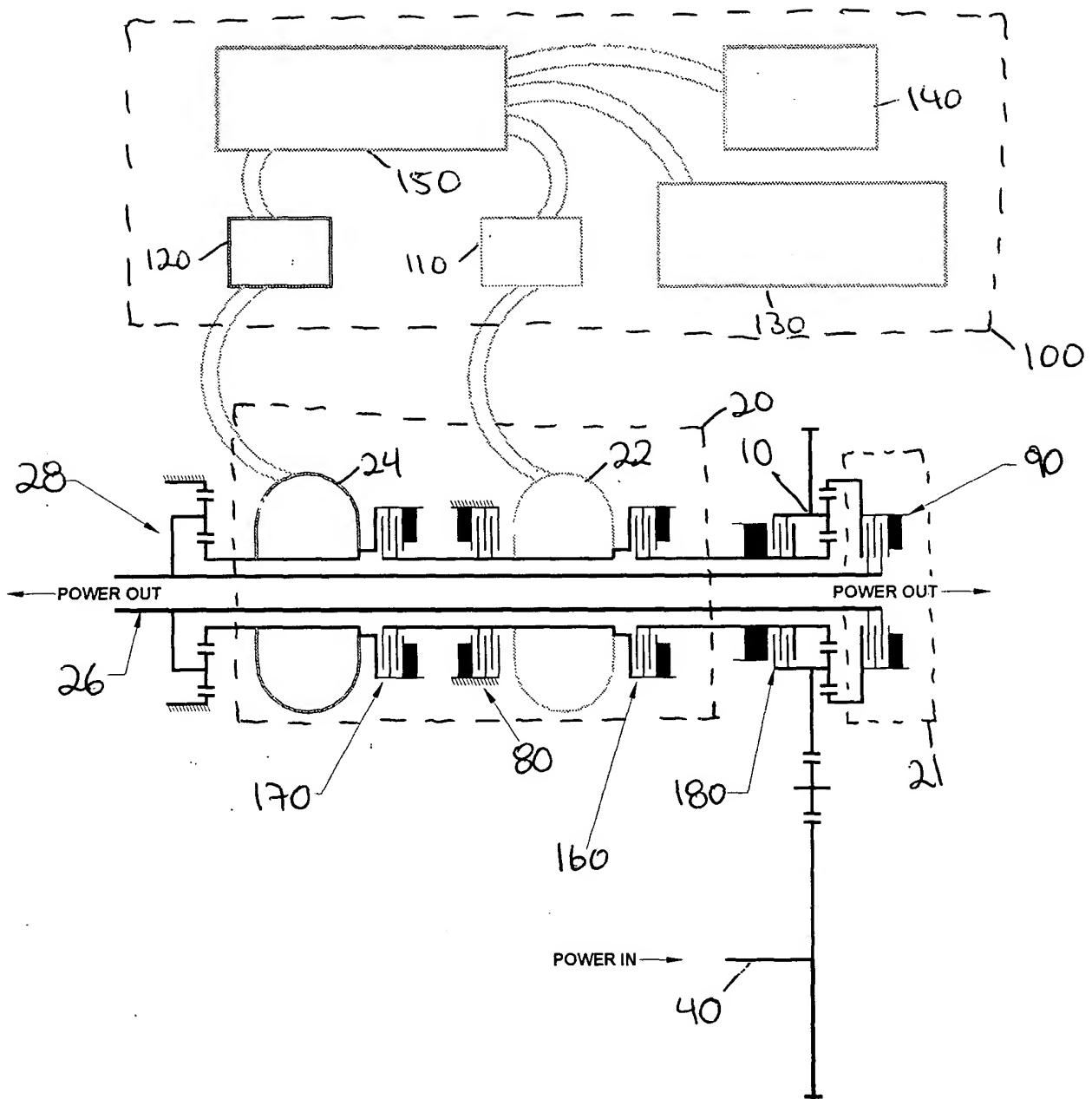


Figure 3

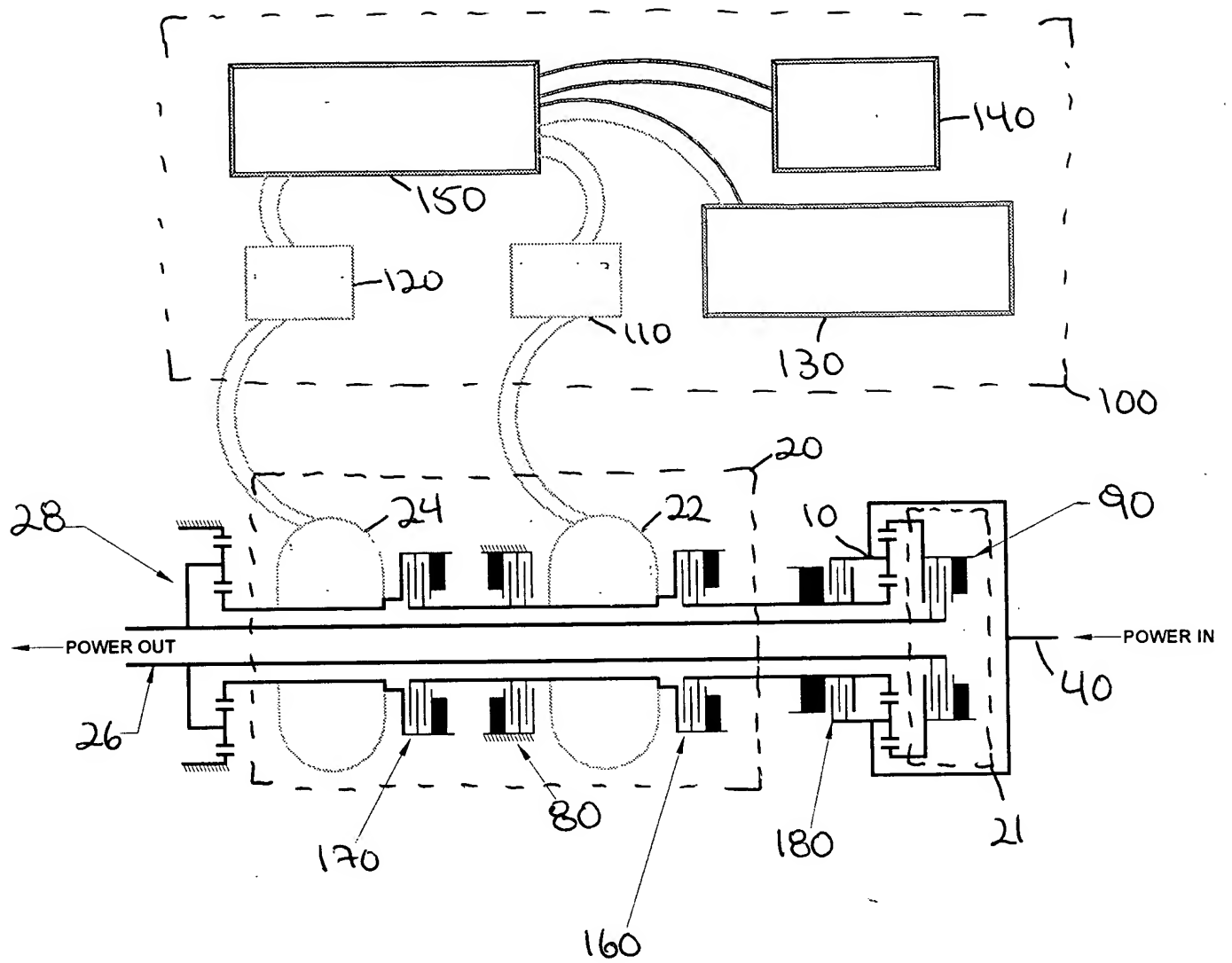


Figure 4



Figure 5

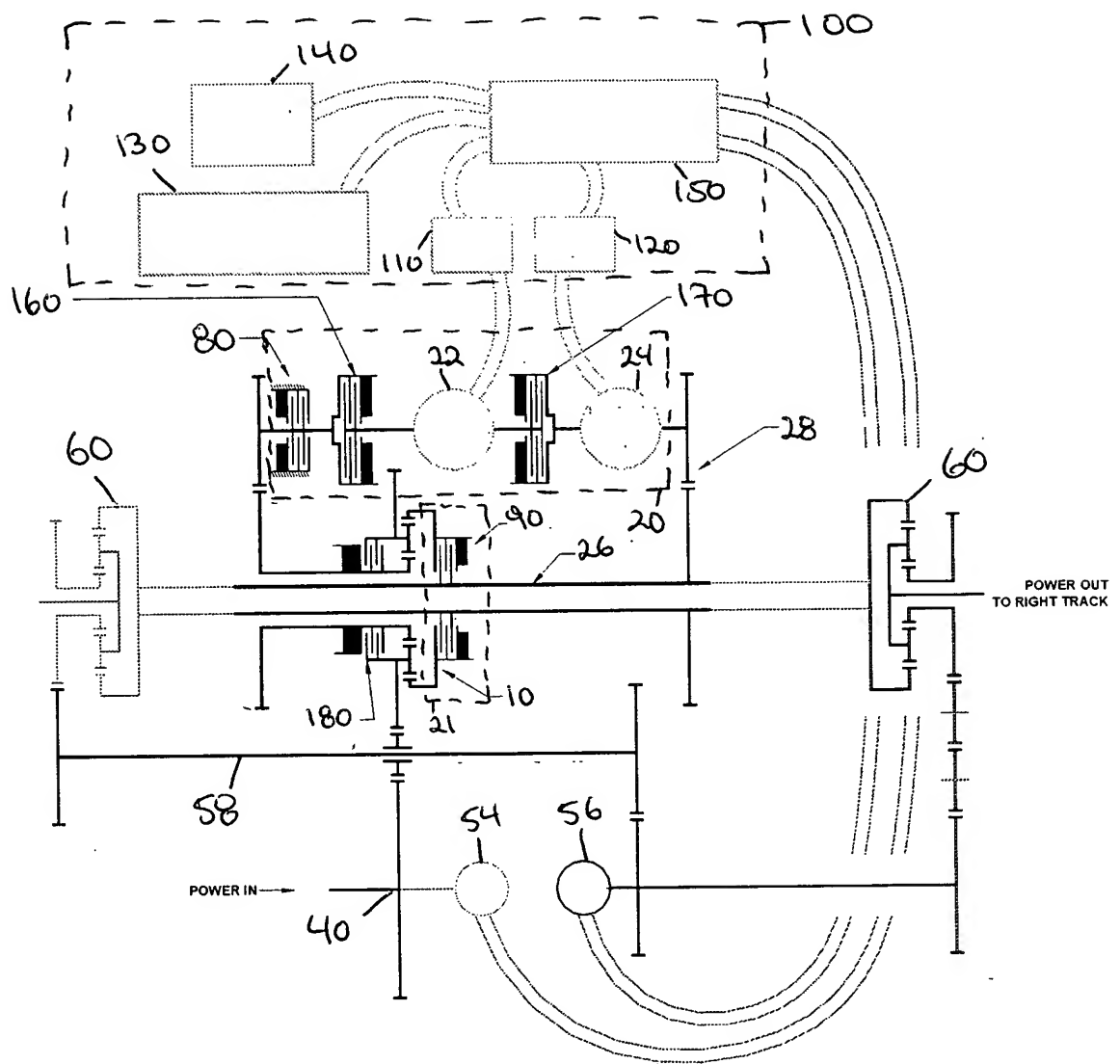


Figure 6

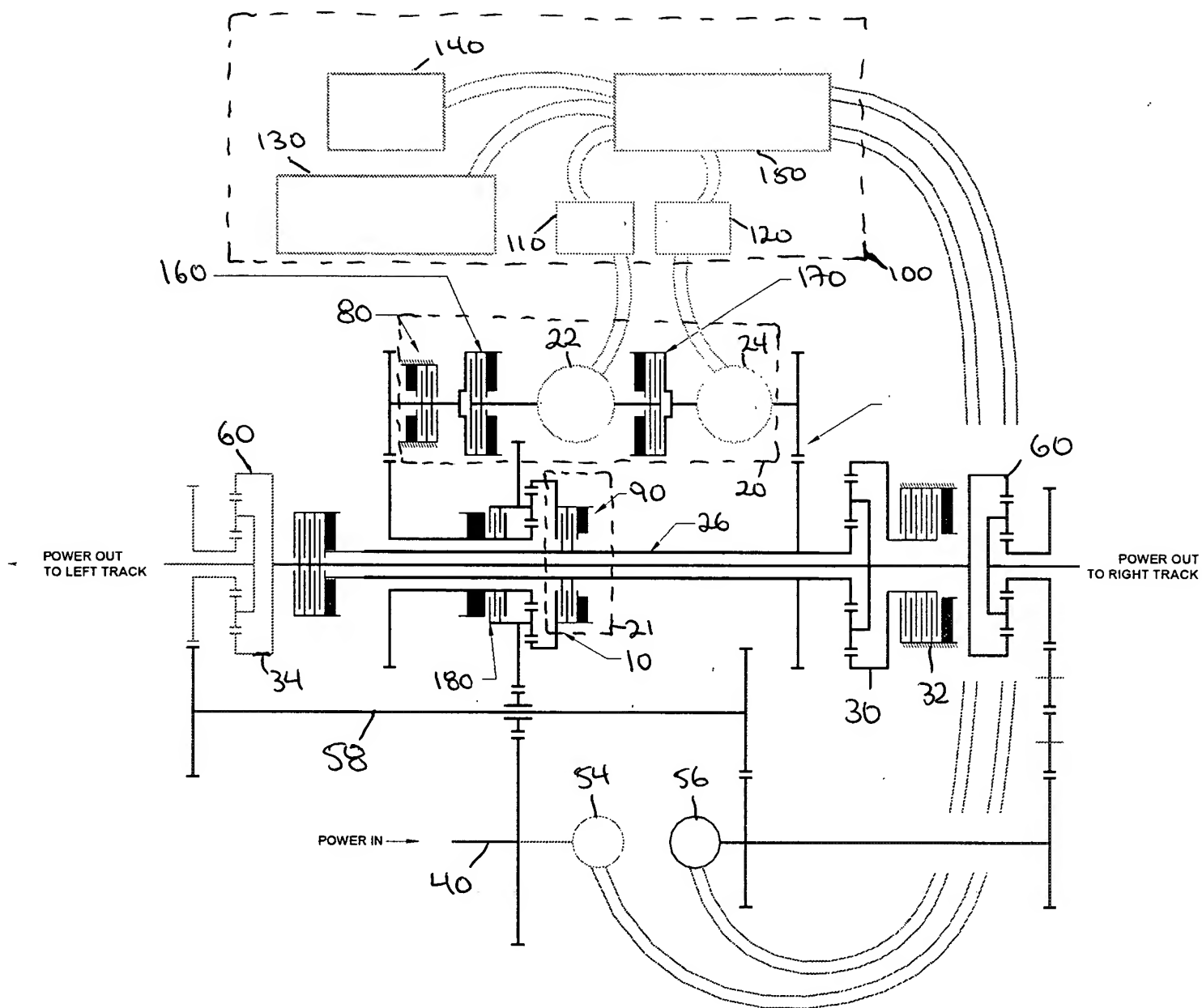


Figure 7

Figure 8

Operation Mode	Batt / Cap Bank Status	Engine Operation Required?	Clutches Engaged:				
			Lockup	Mech Drv	Gen Input	Gen Output	Split Speed
			Brake	Clutch	Clutch	Clutch	Clutch
			80	90	160	170	180
Forward:							
1 FULL ELECTRICAL	2-MOTOR					Y	
2 FULL ELECTRICAL + ENGINE	2-MOTOR + ENGINE	Y		Y		Y	Y
3 ECONOMY	1-MOTOR						
4 PARALLEL	EMCVT	Y		Y	Y		
5 FULL MECHANICAL	ENGINE	Y	Y	Y	Y		
Reverse:							
1 FULL ELECTRICAL	2-MOTOR REVERSE					Y	
2 ECONOMY	1-MOTOR REVERSE						
3 PARALLEL	EMCVT REVERSE	Y		Y	Y		
Braking:							
1 MAXIMUM REGEN	2-GENERATOR BRAKING				Y	Y	
2 LIGHT REGEN	1-GENERATOR BRAKING						
3 PARALLEL	HMCVT BRAKING	Y		Y			
4 FULL ENGINE BRAKING	ENGINE BRAKING	Y	Y	Y	Y		
Engine Starting:							
1 OUTPUT STOPPED	With Vehicle Stopped	Starting			Y		Y
2 OUTPUT IN MOTION	Vehicle in Motion	Starting			Y		Y

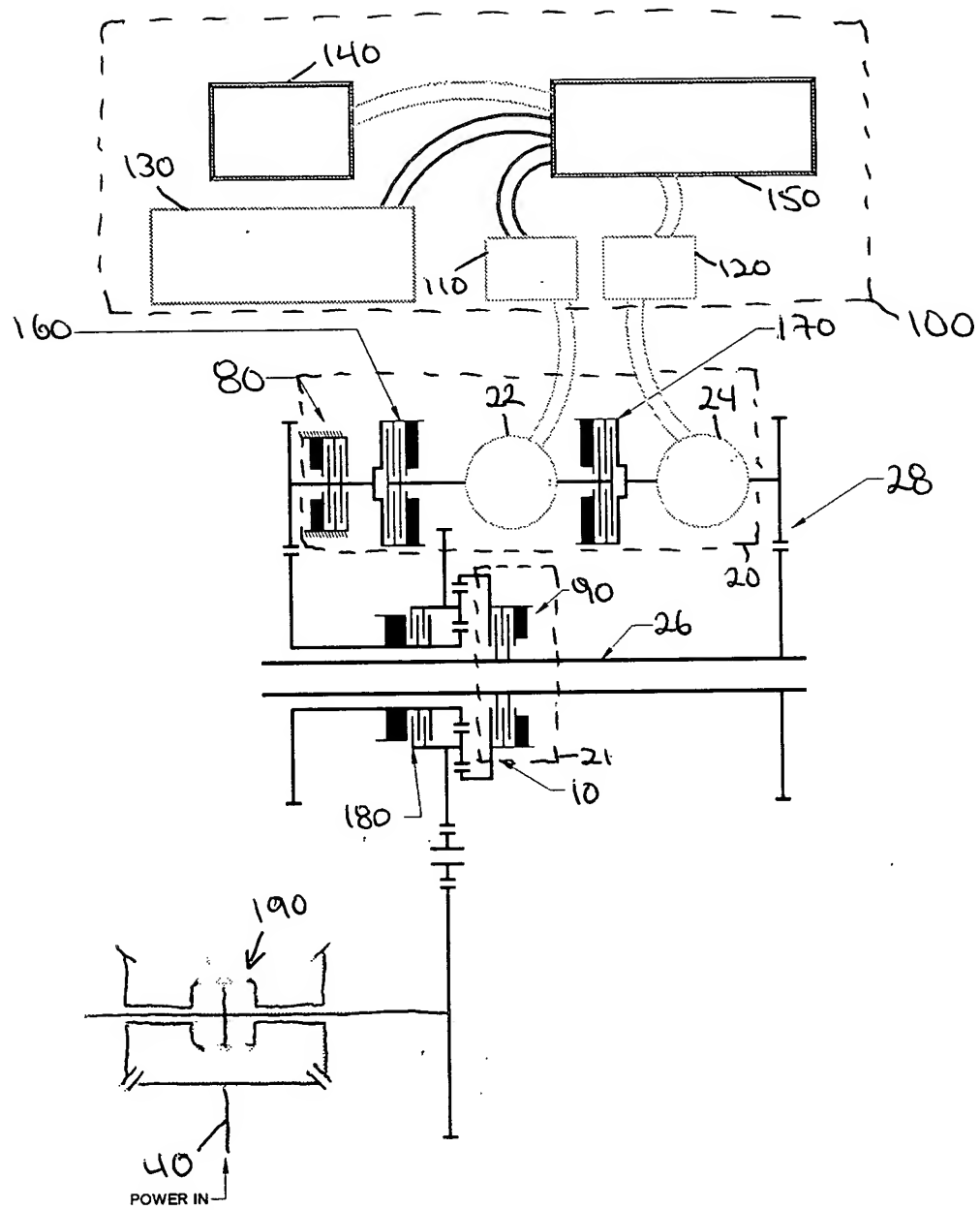


Figure 9